

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------|------------------|---------|------------------|
| L1 | 1352 | (acoustic or speaker\$1) same (equaliz\$3 and (correct\$3 or filter\$2)) | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:02 |
| L2 | 968 | 1 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:03 |
| L3 | 400 | 2 and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:52 |
| L4 | 6 | Jang-Dae-Young\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:53 |
| L5 | 2 | Seo-Jeong-Il.in. | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:53 |
| L6 | 37 | Lee-Tae-Jin\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:53 |
| L7 | 100 | Kim-Jin-Woong\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:54 |
| L8 | 16 | Ahn-Chie-Teuk\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:54 |
| L9 | 146 | (4 or 5 or 6 or 7 or 8) | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:55 |
| L10 | 13 | 9 and ("3"\$2D or three\$2dimension\$4) | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:57 |
| S1 | 11 | US-3715710-\$.DID. OR US-3879698-\$.DID. OR US-4651311-\$.DID. OR US-4706228-\$.DID. OR US-4734894-\$.DID. OR US-4764906-\$.DID. OR US-4796608-\$.DID. OR US-5228011-\$.DID. OR US-5233972-\$.DID. OR US-5251614-\$.DID. OR US-5305287-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/06 10:53 |
| S2 | 0 | "10692769" | US-PGPUB; USPAT | OR | ON | 2007/02/06 10:53 |
| S3 | 0 | "200401111171" | US-PGPUB; USPAT | OR | ON | 2007/02/06 10:54 |
| S4 | 1 | "200401111171" | US-PGPUB; USPAT | OR | ON | 2007/02/06 10:54 |
| S5 | 3 | US-6078669-\$.DID. OR US-6021386-\$.DID. OR US-5590207-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/06 11:41 |
| S6 | 2344 | ((("381"/\$.ccls.) or (700/94.ccls.) or ("700"/\$.ccls.)) and ("3"\$1D or \$6dimensional\$1) and (encod\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/06 11:55 |

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|-----|--------|---|--------------------|----|----|------------------|
| S7 | 17 | "5943427" | US-PGPUB; USPAT | OR | ON | 2007/02/06 11:55 |
| S8 | 2344 | ((("381"/\$.ccls.) or (700/94.ccls.) or ("700"/\$.ccls.) or (381/17.ccls.)) and ("3"\$1D or \$6dimensional\$1) and (encod\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/06 11:57 |
| S9 | 1639 | S8 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:48 |
| S10 | 0 | ("2004/0111171").URPN. | USPAT | OR | ON | 2007/02/06 12:24 |
| S11 | 8 | S9 and (encod\$3 and (edit\$3 same scene\$1)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 12:34 |
| S12 | 345 | S9 and (encod\$3 and (edit\$3 and produc\$3)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 12:37 |
| S13 | 55 | S12 and ((sound\$2 or audible\$1) and (microphone\$1)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 12:59 |
| S14 | 120381 | (encod\$3 and (object\$1 and background\$1) and (rout\$3 or mix\$3) and (\$2D or \$7dimensional\$1)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 13:06 |
| S15 | 3117 | S14 and ((("381"/\$.ccls.) or ("700"/\$.ccls.) or ("704"/\$.ccls.) and (@ad<"20021028")) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:42 |
| S16 | 755 | S15 and (\$7dimensional\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/06 13:09 |
| S17 | 221 | S16 and (microphone\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/06 13:43 |
| S18 | 579 | (microphone\$1 and input\$1) and (encod\$3 and decod\$3) and (synthesiz\$3) and ((("381"/\$.ccls.) or ("700"/\$.ccls.) or ("704"/\$.ccls.)) and (@ad<"20021028")) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:17 |
| S19 | 197 | \$7dimension\$2 and (microphone\$1 and input\$1) and (encod\$3 and decod\$3) and (synthesiz\$3) and ((("381"/\$.ccls.) or ("700"/\$.ccls.) or ("704"/\$.ccls.)) and (@ad<"20021028")) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:24 |
| S20 | 693 | \$7dimension\$2 and (microphone\$1 and input\$1) and (encod\$3 and decod\$3) and (synthesiz\$3) and (@ad<"20021028")) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:25 |
| S21 | 0 | S20 and (scene\$1 adj2 (edit\$3 or produc\$3)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:26 |
| S22 | 170 | S20 and (spatial\$7) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:32 |

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|-----|--------|--|------------------------------|----|----|------------------|
| S23 | 36 | "5493427" | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:32 |
| S24 | 41 | ("3912386" "4171874" "4488786" "4508428" "4904063" "4945407" "4959641" "4987487" "5124834").PN. OR ("5493427"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/06 14:37 |
| S25 | 6253 | (sound\$1 same ("3"\$2D or three\$2dimension\$4)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:39 |
| S26 | 4259 | S25 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/06 14:42 |
| S27 | 526 | S26 and (encod\$3 and (scene\$1 or synthesiz\$3)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:06 |
| S28 | 1 | "20050078835" | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:11 |
| S29 | 1 | "20040142734" | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:14 |
| S30 | 1 | "20050071310" | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:27 |
| S31 | 18493 | (phone\$1 and wireless) and ("455"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:29 |
| S32 | 9666 | S31 and (@ad<"20021022") | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:30 |
| S33 | 4237 | S32 and (cell\$4 adj1 phone\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:30 |
| S34 | 2437 | S33 and (rotat\$3 or turn\$2 or movable\$1 or movably) | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:50 |
| S35 | 653 | ((455/575.1.ccls.) or (455/575.3. ccls.)) and (rotat\$3 or rotatably or movably or movable or mov\$6) and (@ad<"20021022") | US-PGPUB; USPAT | OR | ON | 2007/02/06 15:52 |
| S36 | 10 | ("6009336" "6434403" "6510325" "6549789" "6567677" "6704586" "6731952" "6782281" "6795715").PN. OR ("6999802"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/06 16:09 |
| S37 | 822159 | (device\$1 or phone\$1 or PDA) and (rotate\$1 or rotat\$3 or rotatobly) and (@ad<"20021022") | US-PGPUB; USPAT | OR | ON | 2007/02/06 16:10 |
| S38 | 27491 | (camera\$1 and microphon\$2) | US-PGPUB; USPAT | OR | ON | 2007/02/06 16:11 |
| S39 | 4764 | S38 and (speaker\$1 and keypad\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/06 16:11 |

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|-----|------|--|------------------------------|----|----|------------------|
| S40 | 1300 | S39 and (antenna\$1 and (battery)) | US-PGPUB; USPAT | OR | ON | 2007/02/06 16:12 |
| S41 | 1 | "20040156229" | US-PGPUB; USPAT | OR | ON | 2007/02/06 16:24 |
| S42 | 1 | "20040142734" | US-PGPUB; USPAT | OR | ON | 2007/02/07 08:18 |
| S43 | 58 | ("4488146" "4875185" "5419707" "5485517" "5533097" "5625673" "5948086" "6144358" "6269395").PN. OR ("6549789"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/07 08:26 |
| S44 | 10 | ("6009336" "6434403" "6510325" "6549789" "6567677" "6704586" "6731952" "6782281" "6795715").PN. OR ("6999802"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/07 08:31 |
| S45 | 10 | ("6009336" "6434403" "6510325" "6549789" "6567677" "6704586" "6731952" "6782281" "6795715").PN. OR ("6999802"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/07 08:44 |
| S46 | 11 | "6731952" | US-PGPUB; USPAT | OR | ON | 2007/02/07 08:44 |
| S47 | 560 | (keypad\$1 same (rotatably or rotat\$3 or detachable or detach\$6 or removeable or remov\$7)) and ("455"/\$.ccls.) and (@ad<"20021022") | US-PGPUB; USPAT | OR | ON | 2007/02/07 08:57 |
| S48 | 3 | ("5883684" "5940215" "6466292").PN. OR ("6925313"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/07 08:57 |
| S49 | 3988 | (keypad\$1 same (rotatably or rotat\$3 or detachable or detach\$6 or removeable or remov\$7)) and (@ad<"20021022") | US-PGPUB; USPAT | OR | ON | 2007/02/07 08:58 |
| S50 | 1253 | S49 and (keypad\$1 same (rotatably or rotat\$3)) and (@ad<"20021022") | US-PGPUB; USPAT | OR | ON | 2007/02/07 09:16 |
| S51 | 1 | "20040142734" | US-PGPUB; USPAT | OR | ON | 2007/02/12 10:02 |
| S52 | 3 | ("455"/\$.ccls.) and ((keypad\$1 with (fold\$3 or cover\$1)) and (display with (external and interior))) | US-PGPUB; USPAT | OR | ON | 2007/02/12 10:04 |

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|-----|-------|---|------------------------------|----|----|------------------|
| S53 | 2 | ("6192258" "6721278").PN. OR ("7120474").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 10:11 |
| S54 | 14 | US-3879751-\$.DID. OR US-4914586-\$.DID. OR US-4949379-\$.DID. OR US-5005200-\$.DID. OR US-5091975-\$.DID. OR US-5126543-\$.DID. OR US-5247497-\$.DID. OR US-5436972-\$.DID. OR US-5544255-\$.DID. OR US-5577120-\$.DID. OR US-5647017-\$.DID. OR US-5818955-\$.DID. OR US-6091835-\$.DID. OR US-6185316-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/12 13:17 |
| S55 | 509 | (381/61.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/14 12:48 |
| S56 | 375 | S55 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/14 12:51 |
| S57 | 1076 | (700/94.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/14 12:51 |
| S58 | 619 | S57 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/14 12:51 |
| S59 | 944 | (S56 or S58) | US-PGPUB; USPAT | OR | ON | 2007/02/14 12:51 |
| S60 | 155 | S59 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 12:41 |
| S61 | 1 | "20060029233" | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:23 |
| S62 | 1 | (disabl\$4 with (adjust\$3)) with (initial adj1 tim\$2) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:25 |
| S63 | 21672 | (disabl\$4 or prevent\$3 or unable) with (adjust\$3 or chang\$3) with (tim\$2) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:26 |
| S64 | 311 | (disabl\$4 or prevent\$3 or unable) with (adjust\$3 or chang\$3) with (initial with tim\$2) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:30 |
| S65 | 237 | S64 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:32 |
| S66 | 5224 | (chang\$3 or adjust\$3) with (volum\$1) same (after with (second\$1 or tim\$2 or minut\$2)) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:31 |
| S67 | 3669 | S66 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:56 |

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|-----|------|---|------------------------------|----|----|------------------|
| S68 | 18 | S67 and ((381/104.ccls.) or (381/107.ccls.)) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:54 |
| S69 | 6 | S68 and (maximum with volum\$2) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:55 |
| S70 | 0 | S68 and (maximum with volum\$2) same (unable or prevent\$3 or disabl\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:56 |
| S71 | 21 | ((381/104.ccls.) or (381/107.ccls.)) and (maximum with volum\$2) same (unable or prevent\$3 or disabl\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/15 08:59 |
| S72 | 17 | S71 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 09:00 |
| S73 | 4 | ((381/104.ccls.) or (381/107.ccls.)) and ((maximum with volum\$2) same ((unable or prevent\$3) with (adjust\$3 or chang\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/15 09:00 |
| S74 | 3 | S73 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 10:14 |
| S75 | 1 | "20050026568" | US-PGPUB; USPAT | OR | ON | 2007/02/15 10:15 |
| S76 | 3 | "6996445" | US-PGPUB; USPAT | OR | ON | 2007/02/15 10:15 |
| S77 | 3 | US-6078669-\$.DID. OR US-6021386-\$.DID. OR US-5590207-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/15 11:11 |
| S78 | 510 | (381/61.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/15 11:18 |
| S79 | 375 | S78 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 14:32 |
| S80 | 1080 | (700/94.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/15 11:18 |
| S81 | 619 | S80 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 11:19 |
| S82 | 944 | (S79 or S81) | US-PGPUB; USPAT | OR | ON | 2007/02/15 11:18 |
| S83 | 155 | S82 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/15 12:50 |
| S84 | 155 | S83 | US-PGPUB; USPAT | OR | ON | 2007/02/15 11:18 |
| S85 | 247 | (381/17.ccls.) and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/15 14:27 |
| S86 | 169 | S85 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/15 11:21 |

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2007/02/15 11:21

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US-20020142736-\$ or
US-20030035553-\$ or
US-20020103553-\$ or
US-20020062727-\$ or
US-20020102946-\$ or
US-20020128737-\$ or
US-20030114200-\$ or
US-20020161462-\$ or
US-20060148517-\$ or
US-20020122559-\$ or
US-20010034229-\$ or
US-20030007648-\$ or
US-20020072395-\$ or
US-20060164799-\$ or
US-20060253801-\$ or
US-20020133249-\$ or
US-20020111705-\$ or
US-20050282593-\$ or
US-20030095669-\$ or
US-20030045956-\$ or
US-20040203485-\$ or
US-20040132482-\$ or
US-20050054393-\$ or
US-20020103554-\$ or
US-20030157957-\$ or
US-20040064210-\$).did. or
(US-20020129151-\$ or
US-20030059057-\$ or
US-20010003166-\$ or
US-20030182130-\$ or
US-20030219130-\$ or
US-20020080977-\$ or
US-20030086580-\$ or
US-20030083023-\$ or
US-20030064750-\$ or
US-20030202665-\$).did. or
(US-6549789-\$ or US-7120474-\$
or US-6980835-\$ or US-7116789-\$
or US-7065222-\$ or US-5943427-\$
or US-7158843-\$ or US-7116788-\$
or US-7099482-\$ or US-6990205-\$
or US-6961433-\$ or US-6857960-\$
or US-6798886-\$ or US-6795556-\$
or US-6741711-\$ or US-6738479-\$
or US-6700980-\$ or US-6544122-\$
or US-6529191-\$ or US-6490359-\$
or US-6445798-\$ or US-6430294-\$
or US-6418226-\$ or US-6215879-\$
or US-6026169-\$ or
US-5974154-\$).did. or
(US-5946400-\$ or US-5812688-\$
or US-5703312-\$ or US-5633993-\$
or US-5596645-\$ or US-7133730-\$
or US-7174229-\$ or US-7142683-\$
or US-6473663-\$ or US-7039477-\$
or US-67170-\$ or US-6959222-\$
or US-6885900-\$ or US-6517170-\$
or US-6741772-\$ or US-6604177-\$

US-PGPUB;
USPAT

OR

ON

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C:\Dr

00007 3:58:50 PM

arguments and Se

4015170-6885900

spaces\case 10692769.wsp

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EAST Search History

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|-----|--------|---|--|----|----|------------------|
| S88 | 262 | (S86 or S87) | US-PGPUB; USPAT | OR | ON | 2007/02/15 12:38 |
| S89 | 243 | S88 and (("3"\$1d) or ((three\$2 adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/15 12:50 |
| S90 | 27 | ("3665105" "4648115" "4731848" "4792974" "4817149" "4908858" "5046097" "5073942" "5337363" "5371799" "5500900" "5521981").PN. OR ("5943427").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/15 14:21 |
| S91 | ✓ 6723 | ((381/17.ccls.) or (381/61.ccls.) or ("700"/\$.ccls.)) and (interfac\$3 or controll\$3 or select\$3 or (edit\$3 or produc\$3) or operat\$3) and (("3"\$1d) or (three adj2 (dimension\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 14:35 |
| S92 | 4745 | S91 and (@ad<"20021028") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 14:43 |
| S93 | 137 | S92 and (rout\$3 and mix\$3 and encod\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 14:38 |
| S94 | 4392 | S91 and (interfac\$3 or controll\$3 or select\$3 or (edit\$3 or produc\$3) or operat\$3) and ((three adj2 (dimension\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 14:36 |
| S95 | 152 | S94 and (encod\$3 and synthesiz\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 14:39 |

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|----------|------|--|--|----|----|------------------|
| S96 | 101 | S95 and (@ad<"20021028") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 14:43 |
| S97 | 33 | Fay-Todor\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/15 15:52 |
| S98 | 19 | ("4526078" "4716804" "5052267" "5164531" "5179241" "5218153" "5218157" "5235126" "5278348" "5281754" "5286908" "5315057" "5355762" "5455378" "5496962" "5753843" "5777254").PN. OR ("6093881"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/15 15:53 |
| S99 | 22 | ("4526078" "4716804" "5052267" "5164531" "5179241" "5218153" "5278348" "5281754" "5286908" "5300725" "5315057" "5355762" "5455378" "5496962" "5734119" "5753843" "5811706" "5827989" "5883957" "5902947").PN. OR ("6353172").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/15 15:56 |
| S10 0 | 559 | (381/17.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:35 |
| S10 1 | 6284 | (sound\$1 same ("3"\$2D or three\$2dimension\$4)) | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:35 |
| S10 2 | 6284 | S101 | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:35 |
| S10 3 | 2354 | ((("381"/\$.ccls.) or (700/94.ccls.) or ("700"/\$.ccls.) or (381/17.ccls.)) and ("3"\$1D or \$6dimensional\$1) and (encod\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:37 |
| S10 4 | 1639 | S103 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:37 |
| S10 5 | 1639 | S104 | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:37 |
| S10 6 | 367 | S100 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/16 14:38 |

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|----------|--------|--|------------------------------|----|----|------------------|
| S10 7 | 23 | ("4375287" "5026051" "5052685" "5138660" "5390938" "5393073" "5581618" "5604810" "5633985" "5633993" "5754660" "5768393" "5862229" "5977471" "5993318" "6111959" "6330486").PN. OR ("6544122"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/16 15:46 |
| S10 8 | 234 | ((381/17.ccls.) or (381/60.ccls.) or (381/92.ccls.)) and ((auditory or ear\$3) adj1 (canal\$1 or in\$3) or eardrum\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/16 15:49 |
| S10 9 | 144 | S108 and (@ad<"20021023") | US-PGPUB; USPAT | OR | ON | 2007/02/16 15:50 |
| S11 0 | 8 | ("4004095" "5596644" "5734724" "5841879" "5862227" "6125115" "6173061").PN. OR ("6574339"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/16 16:24 |
| S11 1 | 3 | Baugh-Eric\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:02 |
| S11 2 | 137055 | ((vibrat\$3 and acoustic\$) or (vibro\$2 acoustic\$1)) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:03 |
| S11 3 | 134633 | ((vibrat\$3 with acoustic\$) or (vibro\$2 acoustic\$1)) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:03 |
| S11 4 | 8879 | ((vibrat\$3 with acoustic\$) or (vibro\$2 acoustic\$1)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:05 |
| S11 5 | 8879 | ((vibrat\$3 WITH acoustic\$) or (vibro\$2 acoustic\$1)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:06 |
| S11 6 | 8879 | ((vibrat\$3 WITH acoustic\$) or (vibro\$2 acoustic\$1)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:06 |
| S11 7 | 1452 | ((vibrat\$3 WITH acoustic\$) or (vibro\$2acoustic\$1)) and ("381"/\$. ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:10 |
| S11 8 | 1195 | S117 and (@ad<"20031010") | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:11 |
| S11 9 | 1065 | S118 and (speaker\$1 or generat\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:16 |
| S12 0 | 133 | S119 and (emulat\$3 or simulat\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:16 |

EAST Search History

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| S12 1 | 8879 | ((vibrat\$3 WITH acoustic\$) or (vibro\$2 acoustic\$1)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 2 | 8879 | S121 | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 3 | 8879 | S121 | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 4 | 1452 | ((vibrat\$3 WITH acoustic\$) or (vibro\$2acoustic\$1)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 5 | 1195 | S124 and (@ad<"20031010") | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 6 | 1065 | S125 and (speaker\$1 or generat\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 7 | 1065 | S126 | US-PGPUB; USPAT | OR | ON | 2007/02/16 17:30 |
| S12 8 | 31 | S127 and (disk\$1 with (driv\$2)) | US-PGPUB; USPAT | OR | ON | 2007/02/19 12:39 |
| S12 9 | 536 | (381/1.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/19 12:39 |
| S13 0 | 384 | S129 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 14:24 |
| S13 1 | 114 | S130 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:05 |
| S13 2 | 14409 | (encod\$3 and audio)and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 12:49 |
| S13 3 | 8645 | S132 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 12:50 |
| S13 4 | 208 | S133 and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/19 12:50 |
| S13 5 | 305 | (381/18.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:05 |
| S13 6 | 238 | S135 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:19 |
| S13 7 | 87 | S136 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:47 |
| S13 8 | 172 | (381/26.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:15 |
| S13 9 | 102 | S138 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:15 |
| S14 0 | 35 | S139 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:16 |

EAST Search History

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|----------|------|--|------------------------------|----|----|------------------|
| S14 1 | 6036 | (controll\$3 or interfac\$3 or interact\$3 or operat\$3 or interfac\$3) with (sound\$1 or audio) and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) and (games) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:19 |
| S14 2 | 3488 | S141 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:20 |
| S14 3 | 399 | S142 and (encod\$3 and synthesiz\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:25 |
| S14 4 | 1 | "20040111171" | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:31 |
| S14 5 | 13 | Katayama-Masaki\$.in. | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:31 |
| S14 6 | 3 | S145 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:32 |
| S14 7 | 5 | ("5272757" "5459790" "5598478" "6219736" "6496122").PN. OR ("7133730").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/19 13:46 |
| S14 8 | 2 | "20020161462" | US-PGPUB; USPAT | OR | ON | 2007/02/19 13:46 |
| S14 9 | 2 | S148 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 14:20 |
| S15 0 | 11 | (sens\$ or detect\$3 or microphone\$1) and (channel\$1 and (dummy adj3 head\$1) and ambisonic) | US-PGPUB; USPAT | OR | ON | 2007/02/19 14:29 |
| S15 1 | 5 | S150 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:16 |
| S15 2 | 3 | S151 and (microphone\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/19 14:25 |
| S15 3 | 4 | (microphone\$1) same (\$6channel\$1 and (dummy adj3 head\$1) and ambisonic) | US-PGPUB; USPAT | OR | ON | 2007/02/19 14:29 |
| S15 4 | 0 | S153 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 14:30 |

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| S15 5 | 117 | (US-20030219130-\$ or US-20030202665-\$ or US-20030182130-\$ or US-20040064210-\$ or US-20030095669-\$ or US-20040203485-\$ or US-20030157957-\$ or US-20030114200-\$ or US-20030083023-\$ or US-20030064750-\$ or US-20020102946-\$ or US-20010034229-\$ or US-20020142736-\$ or US-20020103553-\$ or US-20020062727-\$ or US-20010003166-\$ or US-20020128737-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20020122559-\$ or US-20030086580-\$ or US-20030045956-\$ or US-20030035553-\$ or US-20020111705-\$ or US-20020103554-\$).did. or (US-20020129151-\$ or US-20020080977-\$ or US-20030059057-\$ or US-20060148517-\$ or US-20060164799-\$ or US-20060253801-\$ or US-20050282593-\$ or US-20050054393-\$ or US-20020072395-\$ or US-20040132482-\$).did. or (US-7116789-\$ or US-7065222-\$ or US-7006636-\$ or US-7116788-\$ or US-6990205-\$ or US-6961433-\$ or US-7099482-\$ or US-6738479-\$ or US-6904152-\$ or US-6795556-\$ or US-6647119-\$ or US-6544122-\$ or US-6700980-\$ or US-6418226-\$ or US-6430294-\$ or US-6373954-\$ or US-5946400-\$ or US-6078669-\$ or US-6026169-\$ or US-5682433-\$ or US-5943427-\$ or US-5798922-\$ or US-5596645-\$ or US-6330486-\$ or US-5633993-\$ or US-6549789-\$).did. or (US-7120474-\$ or US-6980835-\$ or US-7158843-\$ or US-6857960-\$ or US-6798886-\$ or US-6741711-\$ or US-6529191-\$ or US-6490359-\$ or US-6445798-\$ or US-6215879-\$ or US-5974154-\$ or US-5812688-\$ or US-5703312-\$ or US-7174229-\$ or US-6472662-\$ or US-7122720-\$ | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:11 |
| 2/20/2007 3:58:50 PM C:\Documents and Settings\paul\My Documents\EAST\Workspaces\case 10692769.wsp | | | | | | |

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EAST Search History

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|----------|-----|--|--------------------|----|----|------------------|
| S15 6 | 9 | (US-20020151992-\$ or US-20020143413-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20030045956-\$ or US-20020128734-\$).did. or (US-7096079-\$ or US-6727096-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:11 |
| S15 7 | 5 | (US-20030053634-\$ or US-20020103554-\$ or US-20050080616-\$).did. or (US-7113610-\$ or US-7095865-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:12 |
| S15 8 | 124 | (S155 or S156 or S157) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:12 |
| S15 9 | 0 | S158 and (sound\$1 adj2 seperat\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:12 |
| S16 0 | 0 | (sound\$1 adj2 seperat\$3) same (extract\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:15 |
| S16 1 | 0 | (sound\$1 with seperat\$3) same (extract\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:15 |
| S16 2 | 392 | (sound\$1 with separat\$3) same (extract\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:21 |
| S16 3 | 245 | S162 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:22 |
| S16 4 | 38 | S163 and (("3"\$1d) or ((three\$2) adj1 (dimension\$3))) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:17 |
| S16 5 | 140 | ((sound\$1 with separat\$3) with (object\$1)) and (extract\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/19 15:22 |
| S16 6 | 86 | S165 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 08:17 |
| S16 7 | 2 | "20020161462" | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:47 |
| S16 8 | 0 | "20020161462""20040111171" | US-PGPUB; USPAT | OR | ON | 2007/02/20 08:31 |
| S16 9 | 1 | "20040111171" | US-PGPUB; USPAT | OR | ON | 2007/02/20 08:32 |
| S17 0 | 222 | ((select\$3 or switch\$3) with (synthesiz\$3)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:54 |
| S17 1 | 192 | S170 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:52 |

EAST Search History

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| S17 2 | 32 | (US-20030219130-\$ or US-20030169886-\$ or US-20030053633-\$ or US-20010012367-\$ or US-20030031334-\$ or US-20030182130-\$ or US-20060287747-\$ or US-20020151992-\$ or US-20020143413-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20030045956-\$ or US-20020128734-\$).did. or (US-6687377-\$ or US-7116789-\$ or US-7065222-\$ or US-7027600-\$ or US-7006636-\$ or US-6904152-\$ or US-6795556-\$ or US-6628787-\$ or US-6544122-\$ or US-6125115-\$ or US-6072878-\$ or US-6009394-\$ or US-5943427-\$ or US-6788790-\$ or US-6490359-\$ or US-6979164-\$ or US-7096079-\$ or US-6727096-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:49 |
| S17 3 | 32 | (US-20030219130-\$ or US-20030169886-\$ or US-20030053633-\$ or US-20010012367-\$ or US-20030031334-\$ or US-20030182130-\$ or US-20060287747-\$ or US-20020151992-\$ or US-20020143413-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20030045956-\$ or US-20020128734-\$).did. or (US-6687377-\$ or US-7116789-\$ or US-7065222-\$ or US-7027600-\$ or US-7006636-\$ or US-6904152-\$ or US-6795556-\$ or US-6628787-\$ or US-6544122-\$ or US-6125115-\$ or US-6072878-\$ or US-6009394-\$ or US-5943427-\$ or US-6788790-\$ or US-6490359-\$ or US-6979164-\$ or US-7096079-\$ or US-6727096-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:49 |

EAST Search History

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| S17 4 | 6 | (US-20030053634-\$ or US-20020103554-\$ or US-20050080616-\$ or US-20030053680-\$).did. or (US-7113610-\$ or US-7095865-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:49 |
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EAST Search History

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| S17 5 | 117 | (US-20030219130-\$ or US-20030202665-\$ or US-20030182130-\$ or US-20040064210-\$ or US-20030095669-\$ or US-20040203485-\$ or US-20030157957-\$ or US-20030114200-\$ or US-20030083023-\$ or US-20030064750-\$ or US-20020102946-\$ or US-20010034229-\$ or US-20020142736-\$ or US-20020103553-\$ or US-20020062727-\$ or US-20010003166-\$ or US-20020128737-\$ or US-20020161462-\$ or US-20030007648-\$ or US-20020133249-\$ or US-20020122559-\$ or US-20030086580-\$ or US-20030045956-\$ or US-20030035553-\$ or US-20020111705-\$ or US-20020103554-\$).did. or (US-20020129151-\$ or US-20020080977-\$ or US-20030059057-\$ or US-20060148517-\$ or US-20060164799-\$ or US-20060253801-\$ or US-20050282593-\$ or US-20050054393-\$ or US-20020072395-\$ or US-20040132482-\$).did. or (US-7116789-\$ or US-7065222-\$ or US-7006636-\$ or US-7116788-\$ or US-6990205-\$ or US-6961433-\$ or US-7099482-\$ or US-6738479-\$ or US-6904152-\$ or US-6795556-\$ or US-6647119-\$ or US-6544122-\$ or US-6700980-\$ or US-6418226-\$ or US-6430294-\$ or US-6373954-\$ or US-5946400-\$ or US-6078669-\$ or US-6026169-\$ or US-5682433-\$ or US-5943427-\$ or US-5798922-\$ or US-5596645-\$ or US-6330486-\$ or US-5633993-\$ or US-6549789-\$).did. or (US-7120474-\$ or US-6980835-\$ or US-7158843-\$ or US-6857960-\$ or US-6798886-\$ or US-6741711-\$ or US-6529191-\$ or US-6490359-\$ or US-6445798-\$ or US-6215879-\$ or US-5974154-\$ or US-5812688-\$ or US-5703312-\$ or US-7174229-\$ or US-6172662-\$ or US-7122720-\$ | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:50 |
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EAST Search History

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| S17 6 | 138 | (S172 or S174 or S175) | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:50 |
| S17 7 | 8 | S176 and S171 | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:50 |
| S17 8 | 40 | ((select\$3 or switch\$3) adj2 (synthesiz\$3)) and ("381"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:51 |
| S17 9 | 36 | S178 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:55 |
| S18 0 | 4580 | ((select\$3 or switch\$3) with (synthesiz\$3)) same (controll\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:54 |
| S18 1 | 692 | ((select\$3 or switch\$3) with (synthesiz\$3)) same (controll\$3 with use\$1) | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:57 |
| S18 2 | 521 | S181 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 09:57 |
| S18 3 | 231 | ((select\$3 or switch\$3) with (synthesiz\$3)) same (user\$1 adj2 interfac\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/20 10:44 |
| S18 4 | 153 | S183 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 10:44 |
| S18 5 | 7 | ((select\$3 adj2 synthesiz\$3)) same (user\$1 adj2 interfac\$3) | US-PGPUB; USPAT | OR | ON | 2007/02/20 10:44 |
| S18 6 | 4 | S185 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 12:49 |
| S18 7 | 6288 | (sound\$1 same ("3"\$2D or three\$2dimension\$4)) | US-PGPUB; USPAT | OR | ON | 2007/02/20 12:51 |
| S18 8 | 6288 | S187 | US-PGPUB; USPAT | OR | ON | 2007/02/20 12:52 |
| S18 9 | 145 | S188 and (background adj2 sound\$2) | US-PGPUB; USPAT | OR | ON | 2007/02/20 13:02 |
| S19 0 | 103 | S189 and (@ad<"20021028") | US-PGPUB; USPAT | OR | ON | 2007/02/20 13:02 |
| S19 1 | 2 | S190 and (select\$3 adj3 (background adj2 sound\$2)) | US-PGPUB; USPAT | OR | ON | 2007/02/20 15:00 |